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GUIDE TO SERIAL RECORDS

WATER SUPPLY OUTLOOK FOR IDAHO

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,
and
IDAHO STATE RECLAMATION ENGINEER

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
MAR. 1, 1969

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85205
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80521
Idaho	P. O. Box 38, Boise, Idaho 83707
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Building, Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 340, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR IDAHO

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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WATER SUPPLY OUTLOOK for IDAHO



GENERAL SUMMARY FOR MARCH 1, 1969

Unusually heavy streamflow from snowmelt and the potential for damaging runoff on many low elevation streams is forecast as a result of the deep snowpack and saturated soils in the mountains and valleys of Idaho. The distribution of the snowpack in 1969 is unusual. At the valley and foot-hill elevations, there is a record-breaking snowpack throughout the state. Such a deep snowpack can be expected to occur only about once in 100 years. Higher in the mountains, the snow cover is heavy but slightly below record proportions. This unusual snow cover distribution increases the hazard from high water because the low elevation snow water alone can raise the rivers to flood stage under a rapid melt. This could be followed by a continuation of high flows as the high mountain snow melts.

Soil moisture conditions beneath the snowpack are saturated on most drainages which will add to the speed of runoff. The entire state is unusually sensitive to even normal spring rains at any time during the main snow-melt period.

In those areas where the high water potential is high, plans should be made to move equipment and livestock to a safe place if this should become necessary. The weather during the snowmelt season is the key factor in the development of these potentials, but the statistical chances are high that flood conditions will prevail on many drainages. On the major rivers, with adequate reservoir control, no problems are expected even though the inflow is forecast to be extremely high.

The BIG LOST and BIG WOOD Rivers are forecast to exceed their flood stage even with most favorable weather conditions in 1969.

WILLOW CREEK and SAND CREEK drainages, above the city of Idaho Falls, have an unusually heavy snowpack and frozen soil at the lower elevations. This is further aggravated by ice in the channels which could become a problem if the snowmelt is too fast or accompanied by warm rains.

The PORTNEUF RIVER also has an extremely heavy snowpack at the low elevations. On the higher mountainous portion of the drainage, there is a heavy snowpack but not the highest of record. There is a definite high water potential on this river, but it would take an extremely fast melt or combination of snowmelt and rain to produce it.

The CAMAS-BEAVER CREEK drainages which make up most of the inflow to Mud Lake Reservoir have a record-breaking snowpack at this time. Kilgore snow course with 33 years of record is already 2.3" over the maximum ever recorded at any time of the year with another month of snow accumulation possible. Medicine Lodge Creek, which also contributes to this flow in the heavy years, will add still more water for Mud Lake Reservoir. The snow cover in the vicinity of Dubois is unusually heavy and underlain by soil frozen to a depth of 27". This combination of factors produces an extreme potential for runoff into this reservoir.

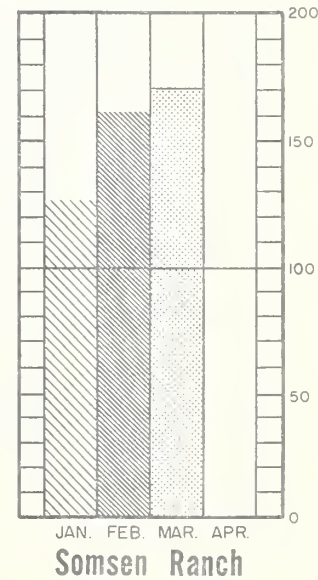
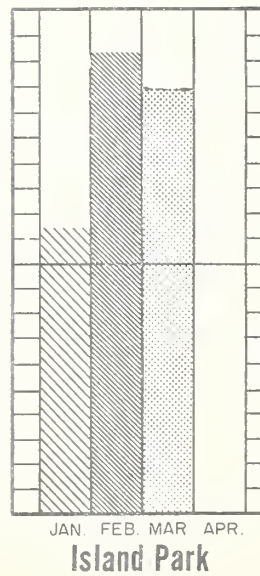
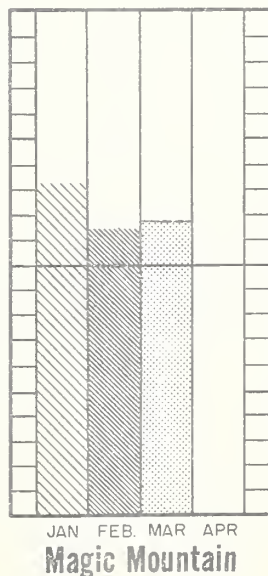
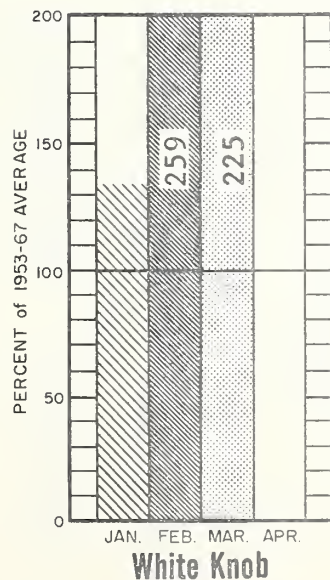
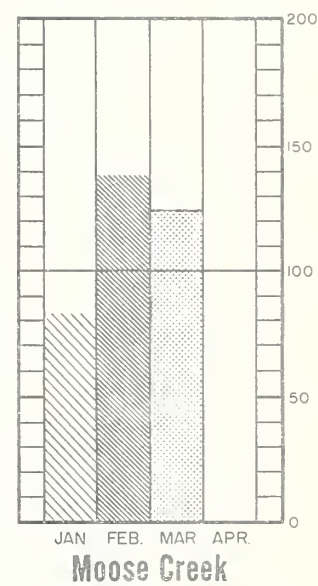
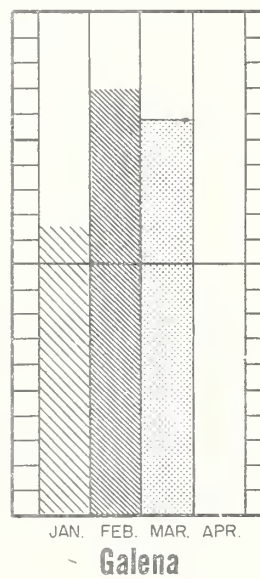
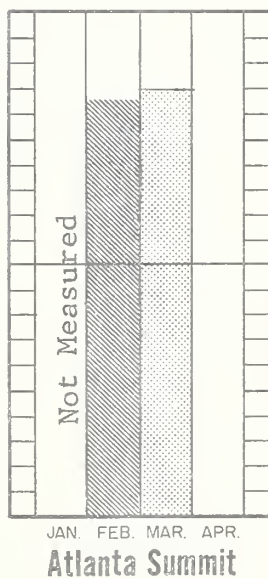
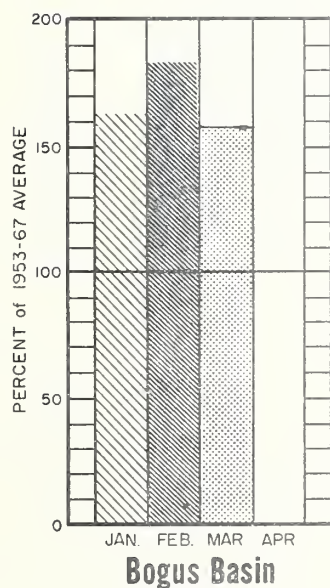
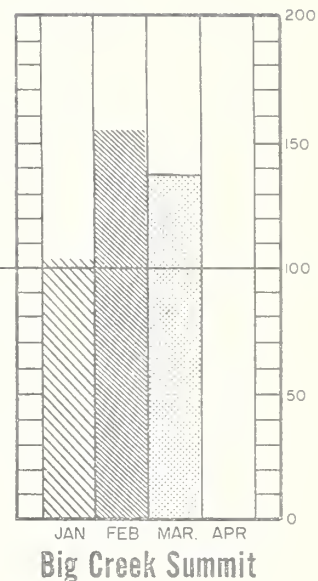
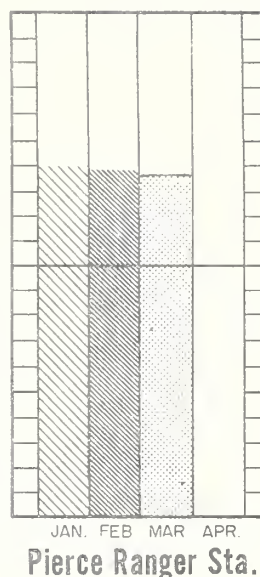
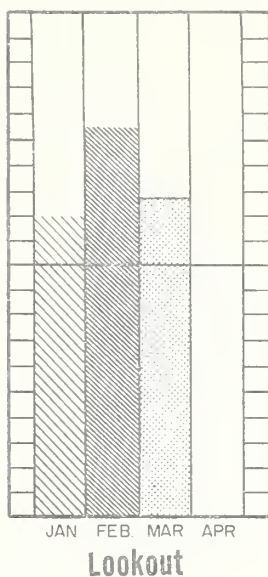
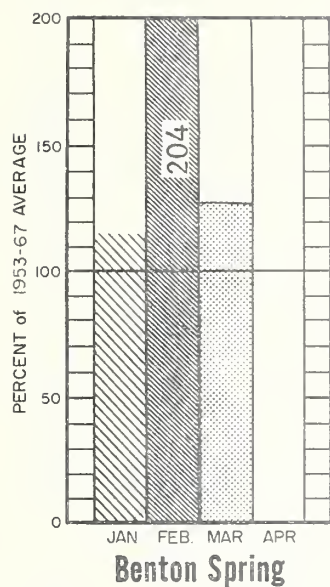
The BOISE FRONT has carried approximately the same amount of snow-water since the middle of January. Melt has occurred at lower elevations but additional snowfall has sustained the high water potential. A slow steady melt period can still dissipate the snow on this area without serious problems. However, a fast melt, accompanied by rain, would produce unmanageable peak flows.

The LAPWAI, MISSION and PALOUSE drainages have an extremely heavy snowpack. A good portion of the snow cover is below our regular snow courses. However, the water content is so heavy at these low elevations within the drainages that an interpretation can be made from records higher on the watershed. A warm steady snowmelt season could dissipate these heavy volumes of water, but as with all other drainages, almost ideal conditions will have to prevail during the snowmelt to prevent damaging high water.

SNOW WATER DEPTHS ACCUMULATION For Selected Snow Courses

As Compared To 1953-67 15 Yr. Average

MARCH 1, 1969



COMPARISON of SNOW COVER

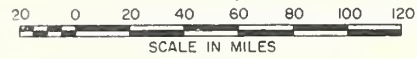
RIVER BASIN WATERSHED	NO. OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	1953-67 AVERAGE
<u>UPPER COLUMBIA RIVER BASIN</u>			
Kootenai River	19	161	126
Pend Oreille River	70	130	120
Clark Fork River	51	123	121
Flathead River	20	147	118
Priest River	2-4	155	148
Spokane River	14	152	122
<u>LOWER SNAKE RIVER BASIN</u>			
Palouse River	5	--	175
Clearwater River	20-44	140	115
Salmon River	20-32	159	141
Lemhi River	4-7	156	147
<u>MIDDLE SNAKE RIVER BASIN - Northside</u>			
Little Lost River	5	190	190
Big Lost River	7-16	227	218
Fish Creek	2-3	265	239
Little Wood River	3-4	275	224
Big Wood River	10-12	224	171
Canyon Creek	1-7	472	152
Boise River	15	238	167
Payette River	14-19	185	152
Weiser River	2-4	173	135
<u>MIDDLE SNAKE RIVER BASIN - Southside</u>			
Raft River	6-7	165	126
Goose Creek	2-3	189	118
Salmon Falls Creek	10-11	204	138
Bruneau River	5	200	159
Owyhee River	4	690	217
<u>UPPER SNAKE RIVER BASIN</u>			
Upper Snake - Wyoming	21	--	119
Camas-Beaver Creeks	2	209	253
Medicine Lodge Creek	2	194	249
Henry Fork River	10	155	143
Teton River	2	131	122
Blackfoot River	4	126	143
Portneuf River	3-8	147	142
<u>GREAT BASIN</u>			
Bear River	1-5	144	135
Montpelier Creek	4	155	134
Mink Creek	4-7	124	132
Cub River	2	119	120
Malad River	2-4	191	163

SNOW WATER DEPTHS

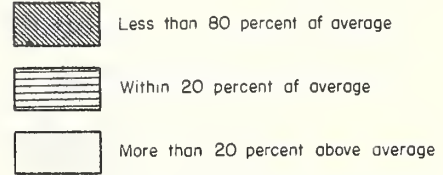
As percent of 1953-67 15 year average

MARCH 1, 1969

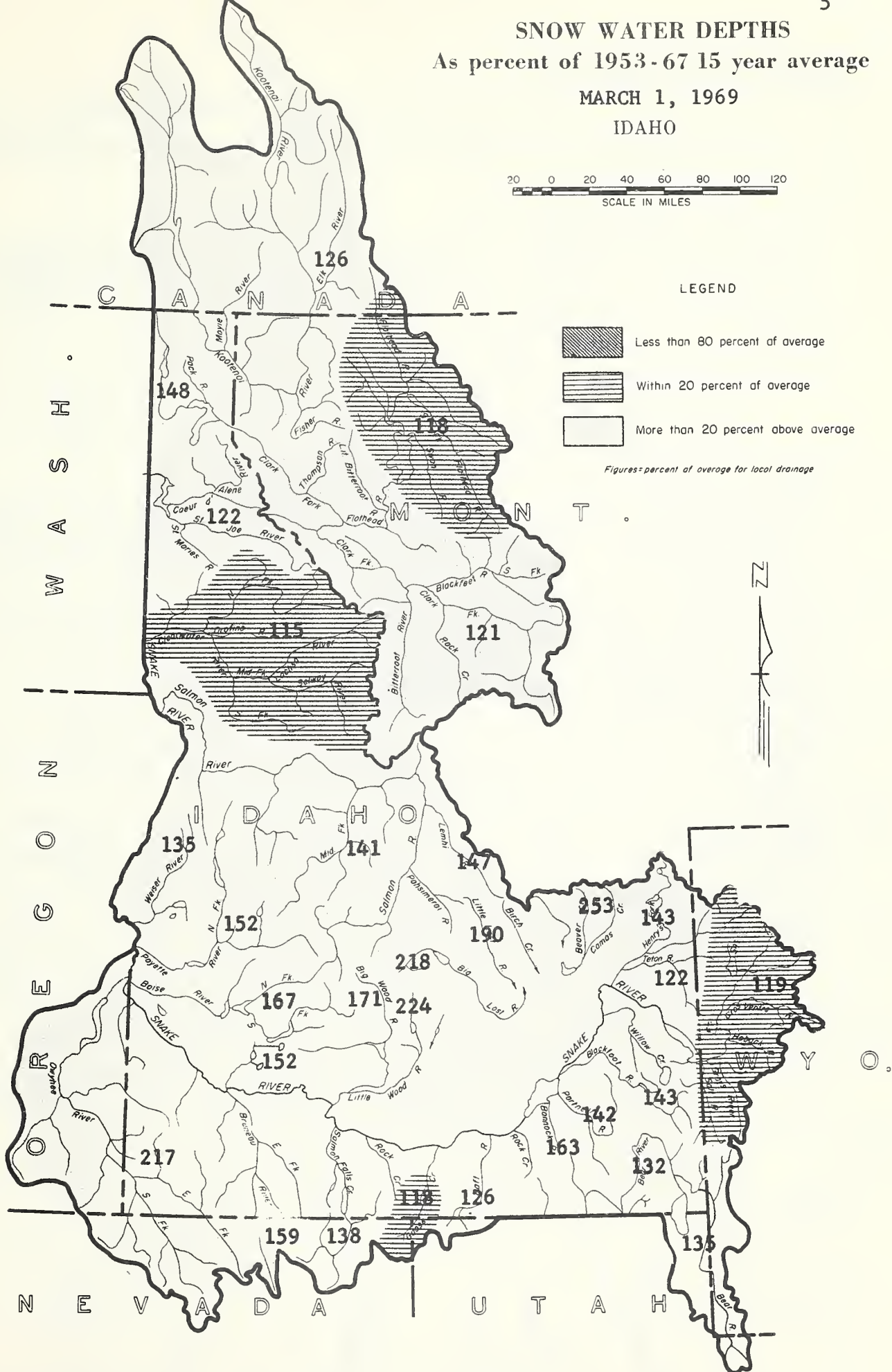
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LEGEND



Figures=percent of average for local drainage



RESERVOIR STORAGE (1,000 Ac. Ft.)

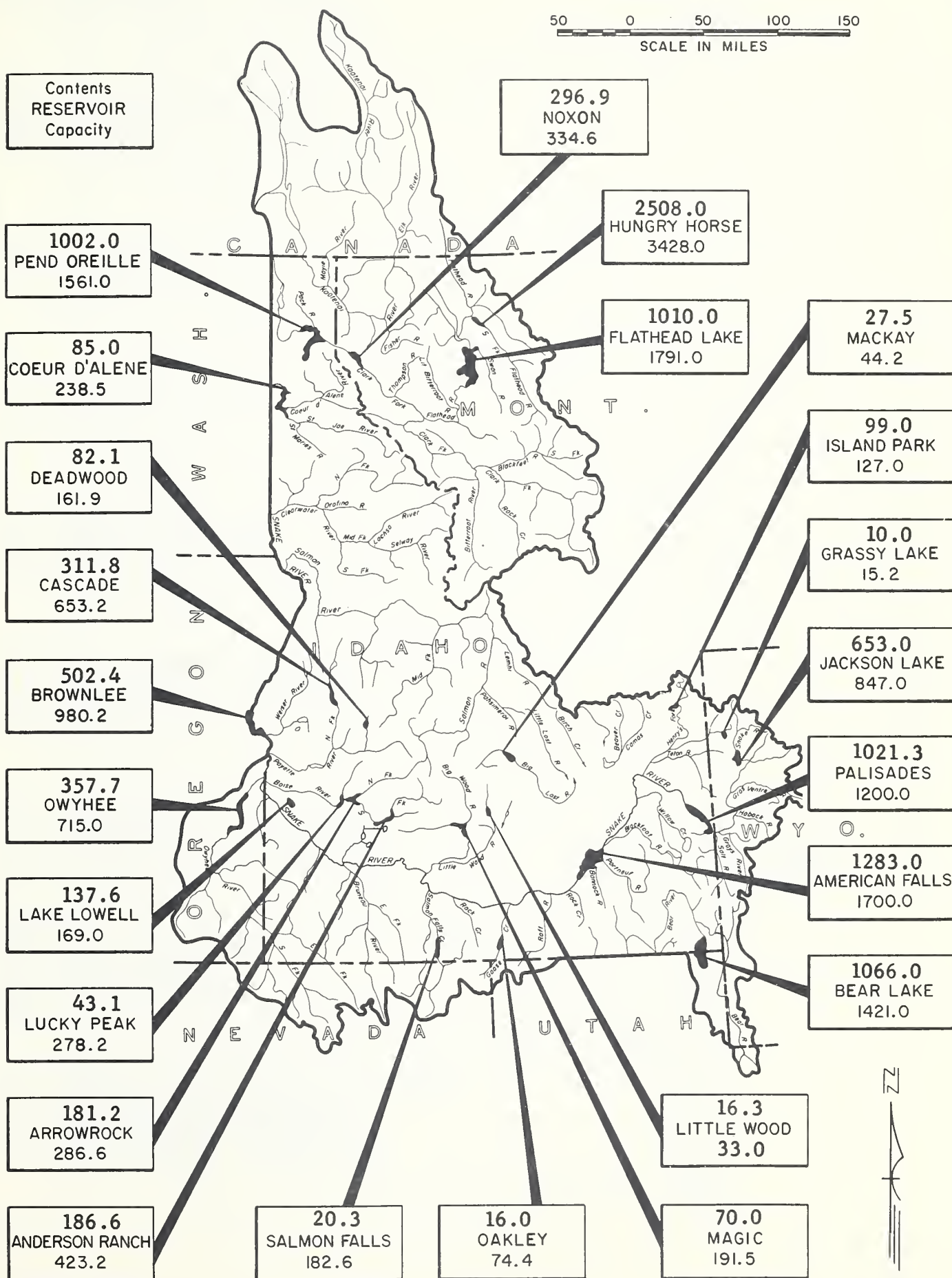
RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1953-67 AVERAGE
<u>UPPER COLUMBIA BASIN</u>				
<u>Clark Fork - Pend Oreille</u>				
Hungry Horse	3428.0	2508.0	2097.0	2269.0
Flathead	1791.0	1010.0	1087.0	963.0
Pend Oreille	1561.0	1002.0	604.1	914.6
Noxon	334.6	296.9	322.7	293.4
<u>Spokane</u>				
Coeur d'Alene	238.5	85.0	339.7	149.6
<u>SNAKE BASIN</u>				
<u>Snake</u>				
Jackson Lake	847.0	653.0	605.7	440.8
Palisades	1200.0	1021.3	975.5	710.4*
American Falls	1700.0	1283.0	1294.2	1431.6
Island Park	127.0	99.0	130.7	113.2
Grassy Lake	15.2	10.0	10.4	10.8
Brownlee	980.2	502.4	619.7	400.4*
<u>Goose-Trapper Creeks</u>				
Oakley	74.4	16.0	12.9	16.8
<u>Salmon Falls Creek</u>				
Salmon Falls	182.6	20.3	21.2	27.4
<u>Big Lost</u>				
Mackay	44.2	27.5	32.3	31.3
<u>Big Wood</u>				
Magic	191.5	70.0	127.4	102.5
<u>Little Wood</u>				
Little Wood	30.0	16.3	18.8	13.1*
<u>Boise</u>				
Anderson Ranch	423.2	186.6	275.8	213.9
Arrowrock	286.6	181.2	278.1	252.6
Lucky Peak	278.2	43.1	80.2	145.6*
Lake Lowell (Deer Flat)	169.0	137.6	132.0	127.9
<u>Owyhee</u>				
Owyhee	715.0	357.7	434.8	411.8
<u>Payette</u>				
Cascade	653.2	311.8	307.6	274.2
Deadwood	161.9	82.1	84.8	74.0
<u>GREAT BASIN</u>				
<u>Bear</u>				
Bear Lake	1421.0	1066.0	1092.4	871.4
*Period of Record.				

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

MARCH 1, 1969

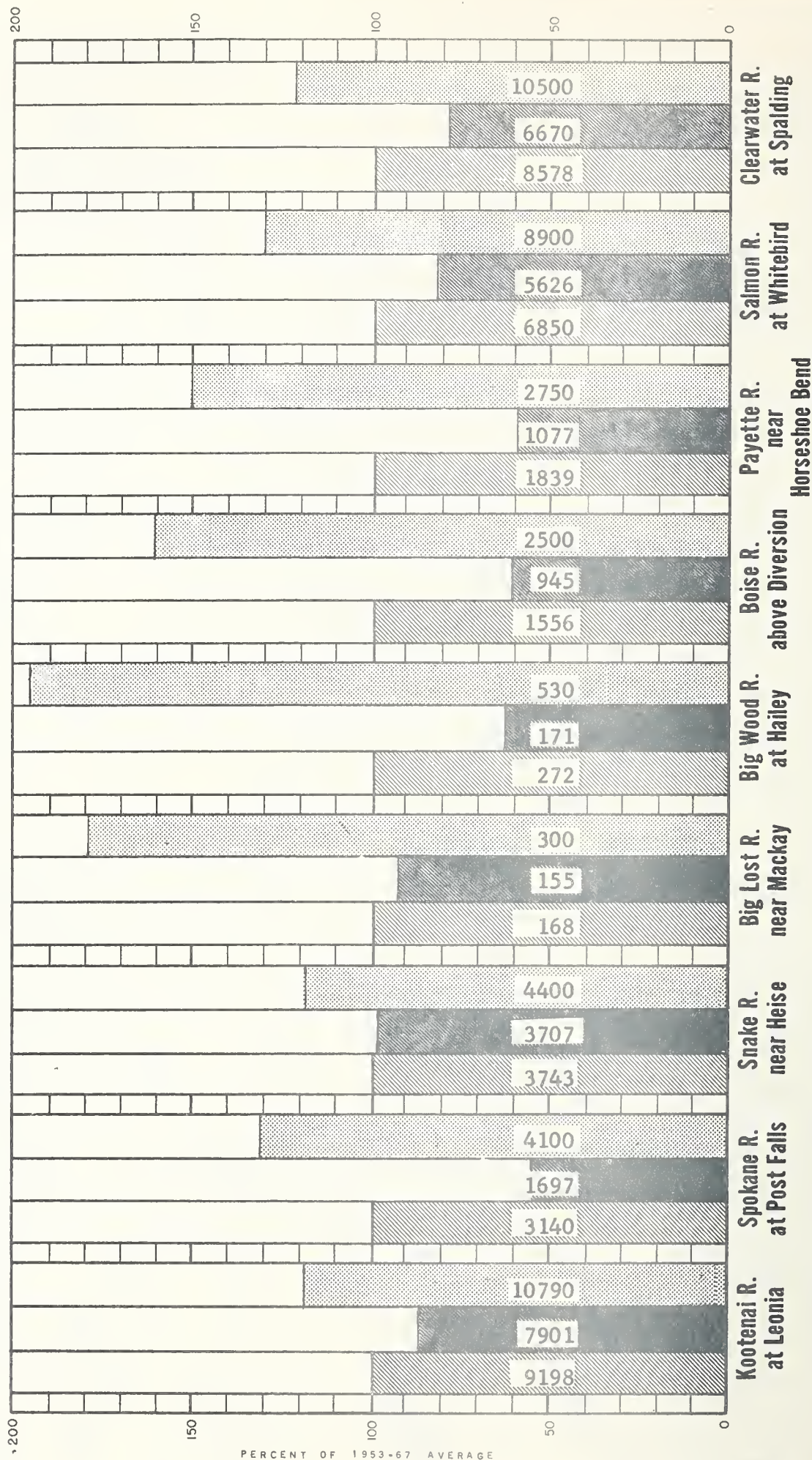
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SCALE IN MILES



STREAMFLOW FORECASTS (April through September period)

Based on Snow Surveys made on approximately

MARCH 1, 1969



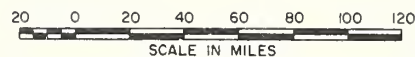
PERCENT OF 1953-67 AVERAGE

PROSPECTIVE STREAMFLOW

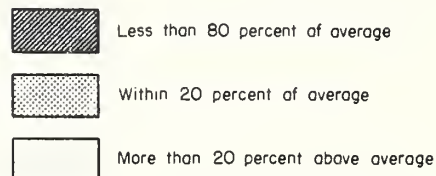
Based on Snow Surveys made on approximately

MARCH 1, 1969

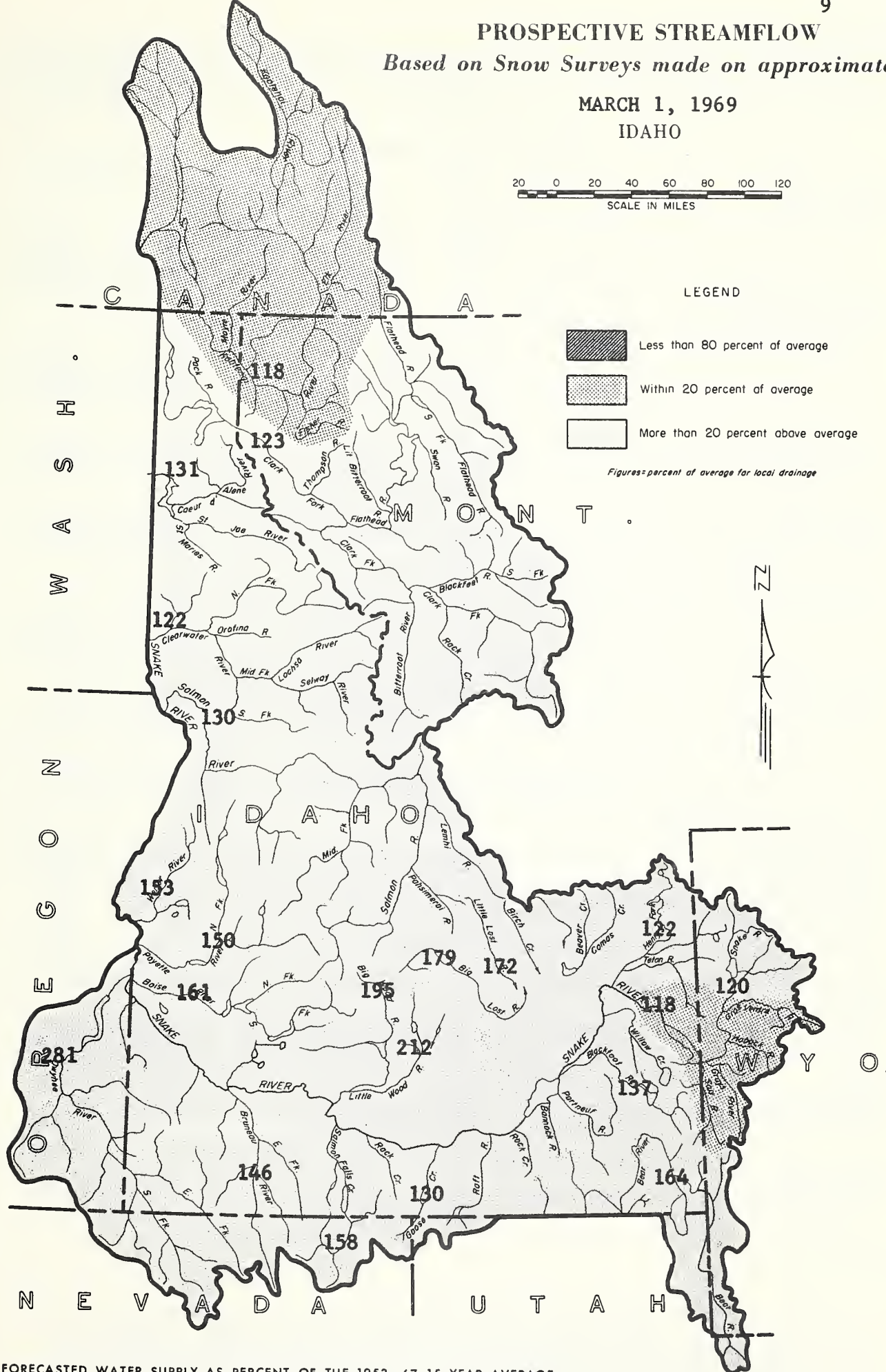
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LEGEND



Figures=percent of average for local drainage



FORECASTED WATER SUPPLY AS PERCENT OF THE 1953-67 15 YEAR AVERAGE

STREAMFLOW FORECASTS^c (1,000 Ac. Ft.)

STREAM and/or FORECAST POINT		FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	1953-67 AVERAGE	THIS YEAR AS PERCENT OF AVERAGE
<u>UPPER COLUMBIA BASIN</u>						
<u>KOOTENAI RIVER</u>						
Leonía	(at)	10790	Apr-Sep	7901	9198	118
		9500	Apr-Jul	6706	8072	118
		7600	Apr-Jun	5192	6463	118
<u>PEND OREILLE RIVER</u>						
<u>Clark Fork River</u>						
Whitehorse Rapids	(at)	17120	Apr-Sep	--	13987	123
		15700	Apr-Jul	--	12787	123
		13500	Apr-Jun	--	10953	123
<u>Priest River</u>						
Priest River 1/	(nr)	1230	Apr-Jul	666	914	135
<u>SPOKANE RIVER</u>						
Post Falls 2/	(at)	4100	Apr-Sep	1697	3140	131
<u>Coeur d'Alene River</u>						
Cataldo	(nr)	1700	Apr-Sep	--	1259	135
		1620	Apr-Jul	--	1201	135
<u>St. Joe River</u>						
Calder	(at)	1850	Apr-Sep	--	1359	136
		1750	Apr-Jul	--	1291	136
<u>SNAKE RIVER BASIN</u>						
<u>SNAKE RIVER - MAIN STEM</u>						
Moran 3/	(at)	1015	Apr-Sep	811	846	120
Palisades Inflow 3/		3040	Apr-Sep	--	2557	119
Heise 4/	(nr)	4400	Apr-Sep	3707	3743	118
Blackfoot 5/	(nr)	4570	Apr-Jul	--	3871	118
Weiser	(at)	9000	Apr-Sep	4227	6306	143
<u>Henrys Fork</u>						
Ashton 6/	(nr)	740	Apr-Sep	--	609	122
Rexburg 7/	(nr)	1500	Apr-Sep	--	1229	122
<u>Teton River</u>						
St. Anthony	(nr)	475	Apr-Sep	--	394	120
<u>Blackfoot River</u>						
Blackfoot						
Reservoir Inflow		140	Apr-Sep	--	102*	137

*1948-62 Average

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Priest Lake. 2/ Observed flow corrected for storage in Coeur d'Alene Lake and diversions by Spokane Valley Farms Company and Rathdrum Prairie canals. 3/ Corrected for storage in Jackson Lake. 4/ Corrected for storage in Jackson Lake and Palisades. 5/ Corrected for storage in Jackson Lake, Palisades, Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/ Corrected for storage in Henry's Lake and Island Park Reservoir. 7/ Corrected for storage in Henry's Lake, Island Park, Grassy Lake and diversions between Ashton and Rexburg.

STREAMFLOW FORECASTS^c (1,000 Ac. Ft.)

STREAM and/or FORECAST POINT		FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	1953-67 AVERAGE	THIS YEAR AS PERCENT OF AVERAGE
<u>Portneuf River</u>						
Topaz	(at)	110	Mar-Sep	--	79.4	140
<u>Oakley Reservoir Inflow</u>						
		32	Mar-Sep	--	24.9	130
<u>Salmon Falls Creek</u>						
San Jacinto	(nr)	110	Mar-Sep	--	69.7	158
		105	Mar-Jul	--	66.5	158
<u>Bruneau River</u>						
Hot Springs	(nr)	280	Mar-Sep	--	191	146
<u>Little Lost River</u>						
Howe	(nr)	65	Mar-Sep	47.7	37.8	172
<u>Big Lost River</u>						
Howell Ranch	(at)	330	Apr-Sep	181	196	168
		240	Apr-Jun	--	137	175
Mackay 1/	(nr)	300	Apr-Sep	155	168	179
<u>Big Wood River</u>						
Hailey 2/	(at)	530	Apr-Sep	171	272	195
Magic Reservoir Inflow 3/		640	Mar-Jul	--	268	239
<u>Little Wood River</u>						
High Five Creek	(ab)	170	Apr-Sep	--	80	212
<u>Boise River</u>						
Twin Springs	(nr)	1100	Apr-Sep	--	718	153
		1030	Apr-Jul	--	666	155
Boise 4/	(nr)	2500	Apr-Sep	945	1556	161
<u>South Fork</u>						
Anderson Dam 5/	(at)	950	Apr-Sep	312	577	165
<u>Owyhee River</u>						
Gold Cr., Nev. 6/	(nr)	32	Apr-Jul	2	16.1	200
Owyhee, Nev. 6/	(nr)	124	Apr-Jul	14	60	207
Lake Owyhee		844	Apr-Sep	91.1	300	281
net inflow 7/		1050	Mar-Jul	--	369	285
<u>Jordan Creek</u>						
Lone Tree Creek	(ab)	180	Apr-Jul	--	85	212

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Mackay Reservoir and diversion in Sharp Ditch. 2/ Combined discharge of Big Wood River and Big Wood Slough corrected for diversions. 3/ Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 4/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 5/ Corrected for storage in Anderson Ranch Reservoir. 6/ Corrected for storage in Wild Horse Reservoir. 7/ From U.S.B.R. records of inflow.

STREAMFLOW FORECASTS^c (1,000 Ac. Ft.)

STREAM and/or FORECAST POINT		FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	1953-67 AVERAGE	THIS YEAR AS PERCENT OF AVERAGE
<u>Payette River</u>						
Horseshoe Bend <u>1/</u>	(nr)	2750	Apr-Sep	1077	1839	150
Banks <u>2/</u>	(nr)	1470	Apr-Jul	--	984	150
<u>North Fork</u>						
Cascade <u>3/</u>	(at)	830	Apr-Sep	367	553	150
Banks <u>3/</u>	(nr)	1080	Apr-Sep	--	718	150
<u>Weiser River</u>						
Weiser ab. Crane Creek <u>4/</u>		770	Mar-Sep	--	504	153
<u>Salmon River</u>						
Whitebird	(at)	8900	Apr-Sep	5626	6850	130
Challis	(nr)	1160	Apr-Sep	--	892	130
		1010	Apr-Jul	--	779	130
<u>Clearwater River</u>						
Spalding	(at)	10500	Apr-Sep	6670	8578	122
<u>GREAT BASIN</u>						
<u>BEAR RIVER</u>						
Harer	(at)	371	Apr-Sep	202	226	164
<u>Montpelier Creek</u>						
Montpelier	(nr)	16	Apr-Sep	--	10.7	150
<u>Cub River</u>						
Preston	(nr)	65	Apr-Sep	--	47.8*	136

* 1956-1967 Average.

(c) Assuming normal meteorological conditions. 1/ Corrected for storage in Cascade and Deadwood Reservoirs. 2/ Corrected for storage in Deadwood Reservoir. 3/ Corrected for storage in Cascade Reservoir. 4/ Observed flow of Weiser River nr. Weiser minus observed flow of Crane Creek at mouth.

VALLEY PRECIPITATION 1/

Division Averages and Departures

In Inches

DRAINAGE DIVISIONS	February - 1969		Nov. 68 - Feb. 69	
	Observed	Departure <u>2/</u>	Observed	Departure <u>2/</u>
Upper Snake	1.78	-0.11	11.24	+2.90
Snake River Plain	1.03	+0.32	5.34	+1.80
Clark Fork	0.38	-0.29	5.08	+1.35
Flathead	0.53	-1.24	9.27	+0.65
Salmon-Boise-Payette	1.75	-0.08	13.16	+3.79
Clearwater	1.27	-0.85	12.90	+1.79
Pend Oreille-Spokane	1.52	-1.49	18.77	+3.29
Kootenai	1.52	-0.77	12.91	+0.70
Owyhee-Malheur	1.07	+0.22	7.23	+2.95

1/ Preliminary analysis by U. S. Weather Bureau from data furnished by Meteorological Service of Canada and U. S. Weather Bureau

2/ Departure from 15-year (1953-67) drainage division average.



SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b

UPPER COLUMBIA RIVER BASINPEND OREILLE - PRIEST RIVER

Benton Meadow	16A2	2344	2/28	37	12.1	4.7	5.8
Benton Spring	16A3	4900	2/28	67	23.3	13.0	18.2
#Mosquito Ridge (A)	16A4	5110	2/27	107	39.8	32.3	33.8*
Schweitzer Ridge	16A5	6100	2/28	146	56.2	37.5	--
Schweitzer Bowl	16A6	4500	2/28	93	33.8	25.5	--

SPOKANE RIVER

Copper Ridge	16B2	4800	2/27	88	32.2	15.8	26.0
#Forty-nine Meadows **	15B3	5000	3/2	97	36.1	20.9	28.6*
Fourth of July Summit	16B3	3100	2/28	52	16.2	T	10.5*
Granite Peak **	15B13	6000	3/2	120	45.0	37.8	41.8*
Kellogg Peak (A)	16B5	5560	2/27	105	39.1	23.0	28.2*
Lookout	15B2	5250	3/2	111	41.3	26.9	32.3
#Lost Lake **	15B14	6000	3/1	162	63.7	45.2	53.6*
Lower Sands Creek	16B1	3400	2/27	68	22.7	11.0	17.8
Medicine Ridge **	15B4	6150	3/2	122	45.3	39.0	43.6*
Mosquito Ridge (A)	16A4	5110	2/27	107	39.8	32.3	33.8*
Outlaw Creek **	15B12	3750	3/1	62	20.1	11.7	13.7*
Roland Summit (A)	15B5	5200	2/27	100	37.2	23.4	34.6*
Sherwin	16C1	3200	2/27	55	17.8	5.4	14.1*
Sunset (A)	15B9	5600	2/27	109	40.5	34.6	29.9*

LOWER SNAKE RIVER BASINPALOUSE RIVER

Crumarine Creek	16C6	3340	3/1	41	13.9	0.0	6.4*
East Twin	16C3	4050	3/1	56	20.8	T	12.3*
Howard Creek	16C5	3450	3/1	37	12.8	0.0	4.5*
Moscow Mountain	16C2	4400	3/1	66	22.6	6.1	15.7*
West Twin	16C4	4250	3/1	50	17.3	0.0	11.1*

CLEARWATER RIVER

Above Greer	16C11	1240	2/27	0	0.0	0.0	0.0*
Anderson Butte (A)	15D7	6800	2/28	96	34.5	28.6	--
Anderson Ridge (A)	15D8	5400	2/28	61	21.3	13.3	--
Buck Meadows	15D5	5600	2/27	78	27.2	18.8	--
Cayuse Airstrip **	15C3	3700	3/2	40	14.7	9.4	11.2
Coolwater Mtn. **	15C7	6200	2/27	73	27.4	--	--
Coolwater Mtn. (R)	15C7	6200	3/4	--	19.8	16.6	--
Coolwater Mtn. (SP)	15C7	6200	3/4	--	18.0	--	--
Copper Butte (A)	15D10	6000	2/28	65	23.4	25.2	--
Cottonwood Butte	16C16	5140	2/26	42	12.8	6.5	--

** Water content partially estimated.

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SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b
Crater Meadows **	15C9	6100	3/2	114	42.3	36.6	39.8*
Crooked Fork	14C10	3800	2/26	48	14.2	9.8	--
Culdesac **	15B19	3050	3/1	56	17.0	5.1	--
Disgrace Butte (A)	15D11	6600	2/28	75	27.7	22.0	--
Elk Butte **	16C15	5550	3/1	104	38.6	24.5	35.8*
Elk Mountain	15D13	6900	2/27	118	47.0	30.7	--
Falls Point (A)	15C11	4600	2/28	68	24.4	9.0	--
Fish Lake Airstrip **	15C2	5000	2/27	111	41.2	35.8	36.2
Forest	16C9	4550	2/26	31	9.1	1.7	6.0*
Forty-nine Meadows **	15B3	5000	3/2	97	36.1	20.9	28.6*
Goat Lake **	14C9	6600	3/2	121	47.6	48.0	45.0*
#Granite Peak **	15B13	6000	3/2	120	45.0	37.8	41.8*
Greer Summit	16C13	3000	2/27	15	4.6	0.0	0.0*
Hemlock Butte **	16C6	5500	3/2	129	48.4	31.2	43.2*
Hemlock Butte (R)	16C6	5500	3/4	--	51.3	33.2	--
Hemlock Butte (SP)	16C6	5500	3/4	--	50.9	30.8	--
#Hoodoo Basin Mont.	15C8	6000	2/27	134	51.5	41.9	--
#Hoodoo Basin (SP) Mont.	15C8	6000	No Report			40.5	--
#Hoodoo Creek Mont.	15C1	5900	2/27	129	47.8	36.7	42.5*
Horse Creek #1 (A)	15C14	5500	2/28	69	23.4	15.5	--
Horse Creek #4 (A)	15C15	5400	2/28	65	22.1	17.8	--
Horse Point (A)	15D21	5700	2/28	61	21.3	13.3	--
Indian Hill (A)	15D22	6100	2/28	37	13.3	9.5	--
Lolo Pass	14C5	5230	2/26	85	30.0	23.6	29.0*
Lost Lake **	15B14	6000	3/1	162	63.7	45.2	53.6*
Lower Snowhaven	16D7	5250	2/26	57	19.0	8.7	--
McCann	16C8	4300	2/26	28	8.2	T	5.7*
Meadow Cr. Lookout (A)	15D17	7000	2/28	90	32.4	28.1	--
#Medicine Ridge **	15B4	6150	3/2	122	45.3	39.0	43.6*
Midway	16C12	2200	2/27	9	3.4	0.0	--
Mill Site	15D18	6700	2/28	79	29.0	25.3	--
Mountain Meadows	15D6	6300	2/27	64	21.0	18.4	--
#Nez Perce Pass Mont.	14D1	6575	2/24	51	15.8	14.8	13.8*
Orogrande Mountain **	15D4	7800	2/27	93	36.7	--	--
Orogrande Mountain (R)	15D4	7800	3/4	--	36.3	34.0	--
Pierce Ranger Station	15C5	3170	2/27	46	14.0	4.1	10.3
Powell Ranger Station	14C6	4230	2/26	46	14.7	8.6	13.2*
Sable Hill (A)	15D20	6000	2/28	57	20.5	13.0	--
Savage Pass	14C4	6600	2/26	78	27.4	24.0	24.9*
Shanghai Summit **	15C4	4600	3/2	85	30.6	14.0	22.7*
Sweeney	16C10	4435	2/26	29	8.5	2.2	6.0*
Upper Snowhaven	16D4	5600	2/26	62	20.8	--	--

SALMON RIVER

Big Creek Summit	15E2	6600	3/1	116	41.4	24.0	30.1
Borah (A)	13E8	8250	3/2	16	3.8	4.1	--
#Boulder Creek	16D1	5500	2/26	88	25.1	18.7	21.0*
Brundage Mountain	16D6	7560	2/27	147	52.8	36.2	--

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SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b
Chapman Creek	16D2	4215	2/26	22	6.6	0.0	2.6*
#Deadwood Summit (A)	15E4	7000	2/27	160	60.6	34.9	38.2*
Doublespring Pass (A)	13E25	8400	3/2	38	9.9	11.7	--
#Galena Summit	14F12	8795	2/25	102	29.8	17.2	19.3
#Gibbons Pass Mont.	13D2	7100	2/26	75	26.9	21.1	19.5
Johns Creek	16D3	3805	2/26	14	5.8	0.0	1.6*
Keystone (A)	14E6	7700	3/2	37	9.9	5.8	--
Leatherman Pass (A)	13E24	9800	3/2	80	30.4	17.2	--
#Lemhi Pass Mont.	13E1	7480	2/27	40	11.1	9.8	6.9
#Lemhi Ridge Mont.	13E23	8100	2/27	39	10.7	9.2	--
Mill Creek Summit	14E1	8870	3/3	76	28.9	17.6	19.3*
Moose Creek	13D16	6200	2/27	58	17.6	13.4	14.2
Morgan Creek	14E4	7580	3/1	52	17.4	11.2	13.4*
Redfish Lake	14E2	6600	2/26	44	12.2	6.2	--
#Rock Flat Summit	16E1	5200	2/27	69	21.2	13.7	15.3
#Squaw Flat (A)	16E5	6230	2/27	99	35.7	18.9	--
#Squaw Meadow	15D2	5800	2/28	115	41.9	27.5	32.1*
Twin Peaks (A)	14E3	10300	3/2	84	31.9	20.0	--
Vienna Mine (A)	14F4	8900	2/27	122	35.6	22.6	30.3*
Whitebird Summit	16D5	4390	2/26	29	9.4	1.8	5.3*
Williams Creek Summit	14D4	7800	2/26	47	14.3	9.0	10.8*

Lemhi River

Above Gilmore	13E19	8200	2/28	45	12.7	7.7	8.3*
Aspen-Hall Pass	13E21	8110	2/27	42	11.2	7.0	--
Copes Camp	13E17	7500	2/27	39	10.0	5.6	6.5*
Gertson Creek (A)	13D17	8050	2/28	36	10.1	7.7	--
Hall Creek	13E20	7560	2/27	28	6.6	4.3	--
Meadow Lake	13E18	9100	2/28	73	24.0	16.0	17.0*
Schwartz Lake	13E16	8500	2/27	52	15.5	9.3	10.5*

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SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
<u>SPOKANE RIVER</u>							
Fourth of July Summit	3100	48	11.6	2/28	10.1	9.1	10.2
Lookout	5250	48	11.0	3/2	8.4	8.5	8.1
<u>CLEARWATER RIVER</u>							
Brown	3100	30	6.7	2/27	5.7	5.9	5.6
Midway	2200	36	6.1	2/27	5.2	5.3	5.0
<u>SALMON RIVER</u>							
Mill Creek Summit	8870	48	8.4	3/3	6.7	6.6	3.1
<u>Lemhi River</u>							
Above Gilmore	8200	60	5.4	2/28	4.3	3.1	1.8
Meadow Lake	9100	48	4.4	2/28	2.6	2.0	1.5

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b

MIDDLE SNAKE RIVER BASIN - NORTHSIDELITTLE LOST RIVER

Fairview Guard Sta.	13E5	6750	2/25	30	7.7	3.6	4.1*
Lost Garfield	13E3	6600	2/25	28	6.5	3.4	3.4*
Moonshine	13E6	7450	2/25	64	17.5	9.7	9.4*
Sawmill Canyon	13E4	6900	2/25	45	10.8	6.9	7.1*
Swauger Lake (A)	13E9	9050	3/2	24	6.7	--	--
Wet Creek Summit	13E7	7600	2/27	75	20.9	9.8	9.3*

BIG LOST RIVER

Bear Canyon **	13F3	7920	2/27	119	34.5	12.6	15.2
Cherry Creek Pass (A)	13F13	8900	2/27	11	2.6	1.2	--
Copper Basin (A)	13F2	7650	2/27	69	19.3	7.8	8.0
#Doublespring Pass (A)	13E25	8400	3/2	38	9.9	11.7	--
Dry Fork (A)	13F20	7340	2/27	93	26.8	9.5	--
Fishpole Lake (A)	13F8	9350	2/27	112	32.7	13.4	--
Grasshopper (A) **	13F7	8400	2/27	85	24.3	8.9	--
Iron Bog	13F11	7650	2/26	99	28.5	10.4	11.0*
Leadbelt	13F12	6800	2/26	79	22.1	9.0	8.0*
#Leatherman Pass (A)	13E24	9800	3/2	80	30.4	17.2	--
Lost-Wood Divide (A)	14F3	7900	2/27	117	34.2	16.0	20.4*
Mammoth Canyon (A)	13F17	8300	2/27	53	14.2	7.8	--
North Fork Meadow (A)	14F15	8150	2/27	66	18.5	7.8	--
Sage Creek (A)	14E5	7800	3/2	57	17.1	5.6	--
Slickrock (A) **	13F14	8640	2/27	120	34.8	12.7	--
Stickney Mill (A)	14F2	7500	2/27	51	14.3	7.1	7.8
White Knob	13F1	7700	2/28	59	15.8	8.8	7.0*

FISH CREEK

#Dry Fork (A)	13F20	7340	2/27	93	26.8	9.5	--
Iron Mine Creek	13F10	6370	2/28	68	21.1	8.3	8.8*
Telfer Ranch	13F6	6000	2/28	55	16.5	6.5	6.9

LITTLE WOOD RIVER

Garfield Rgr. Sta.	13F4	6554	2/28	73	21.8	8.6	9.0
Muldoon	13F5	6300	2/28	58	17.2	5.6	7.2
Porcupine (A)	14F14	8350	2/27	120	34.6	11.2	--
Swede Peak	13F9	7500	2/27	102	29.4	12.1	14.4*

BIG WOOD RIVER

Camas Creeks Divide (A)	15F9	5720	2/27	57	19.5	3.8	--
#Couch Summit	14F10	6950	2/26	95	29.0	13.3	15.2*
Dollarhide Summit (A)	14F8	8620	2/27	115	43.6	21.2	21.8*

** Estimated

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SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b
Galena	14F1	7300	2/25	87	26.2	13.8	16.6
Galena Summit	14F12	8795	2/25	102	29.8	17.2	19.3
Graham Ranch	14F5	6200	2/25	84	21.6	9.1	11.5
#Lost-Wood Divide (A)	14F3	7900	2/27	117	34.2	16.0	20.4*
Mascot Mine	14F7	7900	3/3	74	22.4	7.9	11.8
Mount Baldy	14F9	9000	3/1	109	32.6	12.9	17.0
#Porcupine (A)	14F14	8350	2/27	120	34.6	11.2	--
Soldier Rgr. Sta.	14F11	6100	2/26	71	22.7	8.4	10.0
#Vienna Mine (A)	14F4	8900	2/27	122	35.6	22.6	30.3*

CANYON CREEK

Bennett Mountain	15F7	6650	3/1	66	22.6	9.0	14.9*
#Camas Creeks Div. (A)	15F9	5720	2/27	57	19.5	3.8	--
#Danskin (A)	15F10	5650	2/27	65	22.2	5.8	--
Dixie Hill	15F8	5230	3/1	28	10.0	0.0	--
Little Camas Flat	15F12	4950	3/1	34	12.0	1.0	--
Long Tom (A)	15F13	4550	2/27	12	3.6	0.0	--
#Willow Cr. Cabin (A)	15F11	4710	2/27	9	2.7	0.0	--

BOISE RIVER

Atlanta Summit (A)	15F4	7500	2/27	129	48.9	21.2	28.6*
Bad Bear	15F2	5500	2/28	58	20.0	7.5	11.8*
#Bennett Mountain	15F7	6650	3/1	66	22.6	9.0	14.9*
#Bogus Basin	16F2	6120	3/4	84	29.2	10.8	18.5
Bogus Basin Road	16F4	5360	2/28	37	11.8	0.0	5.2*
#Camas Creeks Div. (A)	15F9	5720	2/27	57	19.5	3.8	--
Couch Summit	14F10	6950	2/26	95	29.0	13.3	15.2*
Danskin (A)	15F10	5650	2/27	65	22.2	5.8	--
Deadman Gulch	16F1	5600	2/26	68	20.0	6.3	13.2*
#Dixie Hill	15F8	5230	3/1	28	10.0	0.0	--
#Dollarhide Smt. (A)	14F8	8620	2/27	115	43.6	21.2	21.8*
Jackson Peak (A)	15E9	7000	2/27	113	42.8	18.9	26.5*
#Little Camas Flat	15F12	4950	3/1	34	12.0	1.0	--
#Long Tom (A)	15F13	4550	2/27	12	3.6	0.0	--
Moore's Creek Summit	15F1	6100	2/28	107	40.6	17.6	27.0
Prairie	15F6	4900	2/27	32	10.6	2.3	4.7
Road Creek (A)	15F3	5550	2/27	56	19.3	5.6	9.0*
#Soldier Rgr. Sta.	14F11	6100	2/26	71	22.7	8.4	10.0
Trinity Mountain	15F5	7780	2/27	155	58.7	26.5	36.4*
#Vienna Mine (A)	14F4	8900	2/27	122	35.6	22.6	30.3*
Willow Creek Cabin (A)	15F11	4710	2/27	9	2.7	0.0	--

PAYETTE RIVER

#Big Creek Summit	15E2	6600	3/1	116	41.4	24.0	30.1
Bogus Basin	16F2	6120	3/4	84	29.2	10.8	18.5
#Brundage Mountain	16D6	7560	2/27	147	52.8	36.2	--

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SNOW

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NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b
Cozy Cove	15E8	5900	2/27	70	23.7	12.8	14.1
Crawford Rgr. Sta.	15E3	4800	3/1	43	13.5	5.6	6.9*
#Deadman Gulch	16F1	5600	2/26	68	20.0	6.3	13.2*
Deadwood Airstrip	15E10	5440	2/25	72	21.3	13.0	13.7*
Deadwood Dam	15E7	5290	2/27	72	23.4	12.4	14.8
Deadwood Summit (A)	15E4	7000	2/27	160	60.6	34.9	38.2*
Greenfield Flat (A)	16E7	7370	2/27	130	46.4	26.1	--
High Valley Summit	16E4	5170	3/2	52	16.2	7.2	8.7*
#Jackson Peak (A)	15E9	7000	2/27	113	42.8	18.9	26.5*
Lake Fork	15E1	6000	2/27	62	18.6	9.2	13.8*
#Mica Ridge (A)	16E6	6800	2/27	125	44.6	23.0	--
Rock Flat Summit	16E1	5200	2/27	69	21.2	13.7	15.3
Secesh Summit	15D1	6600	2/28	116	42.0	--	--
Shafer Butte (SP)	16F7	7480	2/28	--	37.5	--	--
Silver Creek Ridge (A)	15E5	5700	2/27	77	22.6	12.5	--
#Squaw Flat (A)	16E5	6230	2/27	99	35.7	18.9	--
Squaw Meadow	15D2	5800	2/28	115	41.9	27.5	32.1*
Tripod Summit	16E3	5200	3/2	69	23.2	10.5	15.6*

WEISER RIVER

Boulder Creek	16D1	5500	2/26	88	25.1	18.7	21.0*
Mica Ridge (A)	16E6	6800	2/27	125	44.6	23.0	--
Placer Creek	16E2	6000	2/27	74	22.3	13.4	14.1*
Squaw Flat (A)	16E5	6230	2/27	99	35.7	18.9	--

MANN CREEK

Mann Creek	16E9	5980	3/1	81	28.9	--	--
Mann Creek Ridge							
(Sturgill Ridge) (A)	16E8	6680	2/27	99	35.3	--	--
Robinson Cr. Ridge (A)	17E1	6220	2/27	77	27.5	--	--

(b) 1953-67, 15 year period. * Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation: Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
<u>LITTLE LOST RIVER</u>							
Fairview Guard Station	5850	42	7.6	2/25	8.5	7.5	--
Wet Creek Summit	8175	48	17.1	2/27	16.4	14.2	--
<u>LITTLE WOOD RIVER</u>							
Garfield R. S.	6554	36	5.2	1/29	4.0 ^f	2.8	3.7
<u>BIG WOOD RIVER</u>							
Galena	7300	48	10.1	1/27	8.7 ^f	8.2	5.9
<u>BOISE RIVER</u>							
Bad Bear	5500	72	6.3	2/28	5.7	5.8	--
Bogus Basin	6120	48	13.1	1/21	13.4 ^f	9.9	9.1
Bogus Basin Road	4830	48	7.1	2/28	5.7	6.6	5.9
Moores Creek Summit	6100	60	8.8	12/31	8.1 ^j	7.6	7.5
j - January Measurement							
f - February Measurement							

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b

MIDDLE SNAKE RIVER BASIN - SOUTHSIDE

RAFT RIVER

Boy Scout Camp	13G2	7600	2/27	46	13.1	11.1	12.8*
Clear Creek Meadows (Utah)	13H2	9050	2/27	97	27.2	11.2	17.5*
Howell Canyon	13G1	8000	3/2	63	23.0	15.2	20.5
One Mile Summit Utah	13H1	7330	2/27	39	9.1	4.5	6.5*
Sheep Hollow	13G5	6200	2/27	31	7.7	--	4.8*
Sublett	12G8	6000	2/28	34	9.5	6.3	9.0
Summit Springs	12G9	6400	2/28	38	10.7	7.7	8.2*

GOOSE CREEK

Badger Gulch	14G3	6660	3/1	41	11.7	5.2	9.3
Bostetter Rgr. Sta.	14G1	7500	3/2	57	18.0	9.7	15.8
Vi Pont (A)	13H3	7670	2/27	56	16.5	9.5	--

SALMON FALLS CREEK

#Bear Creek Nev.	15H1	7800	2/28	75	26.2	13.2	15.3*
Cedar Creek	14G5	7000	2/28	36	11.8	4.5	8.9*
Deadline	14G4	6900	2/28	62	21.7	11.9	18.1*
#Fox Creek Nev.	15H2	6800	2/28	49	14.4	5.8	7.9*
Goat Creek Nev.	15H13	8800	2/28	68	21.0	11.8	14.9*
#Hummingbird Spgs. Nev.	15H15	8945	2/28	87	26.5	13.4	17.5*
Magic Mountain	14G2	6700	2/27	55	17.1	9.0	14.5
#Pole Creek R. S. Nev.	15H14	8330	2/28	62	19.6	12.2	15.3*
Red Point (A) Nev.	15H18	7940	2/28	21	6.3	7.0	9.5*
Shoshone Basin	14G6	5740	2/28	24	7.7	0.0	3.2*
Wilson Creek (A)	15G2	7500	2/28	57	19.0	5.0	--

BRUNEAU RIVER

Bear Creek Nev.	15H1	7800	2/28	75	26.2	13.2	15.3*
Fox Creek Nev.	15H2	6800	2/28	49	14.4	5.8	7.9*
Hummingbird Spgs. Nev.	15H15	8945	2/28	87	26.5	13.4	17.5*
Pole Creek R.S. Nev.	15H14	8330	2/28	62	19.6	12.2	15.3*
#Seventy-six Cr. Nev.	15H3	7100	2/28	50	16.6	7.0	9.1*

OWYHEE RIVER

Antelope Ridge	16G6	5900	2/26	48	17.4	T	4.2*
Battle Creek (A)	16G9	5700	2/27	24	7.0	0.0	--
#Bear Creek Nev.	15H1	7800	2/28	75	26.2	13.2	15.3*
Bull Basin (A)	16G10	5600	2/27	12	3.5	0.0	--
#Fox Creek Nev.	15H2	6800	2/28	49	14.4	5.8	7.9*
Hyde Pasture (A)	16G5	5800	2/27	42	12.2	0.0	--

(b) 1953-67, 15 year period. # Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation: Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b
Mud Flat	16G7	5500	3/2	35	10.4	1.9	4.7*
Red Canyon (A)	16G11	6650	2/27	36	10.4	0.0	--
#Seventy-six Cr. Nev.	15H3	7100	2/28	50	16.6	7.0	9.1*
Silver City	16F3	6400	2/24	64	22.9	6.7	12.5
South Mountain	16G1	6340	2/25	56	23.2	3.4	9.5
Succor Creek (A)	16F6	6100	2/27	30	8.7	0.0	--
Triangle (A)	16G4	5150	2/27	6	1.7	0.0	--
Vaught Ranch (A)	16G12	5950	2/27	24	7.0	0.0	--
War Eagle (A)	16G13	7700	2/27	78	28.1	--	--

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
<u>RAFT RIVER</u>							
Conner Pass	5700	36	9.8	1/29	8.3 ^f	--	--
Howell Canyon	8000	48	11.5	3/2	7.3	4.9	4.9
Sublett	6000	36	7.0	1/28	7.3 ^f	5.4	5.6
<u>GOOSE CREEK</u>							
Badger Gulch	6660	36	7.0	1/30	5.8 ^f	5.0	5.9
<u>SALMON FALLS CREEK</u>							
Deadline	6900	36	7.4	2/28	7.2	7.1	5.9
Patrick Ranch	5720	36	7.7	2/28	6.8	7.4	5.8
Pole Creek R. S.	8330	48	9.7	2/28	6.2	4.5	5.4
<u>BRUNEAU RIVER</u>							
Bear Creek	7800	72	16.9	2/28	11.9	8.8	8.7
<u>OWYHEE RIVER</u>							
Mud Flat	5500	48	12.8	3/2	14.3	13.1	14.4
f - February Measurement							

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SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (inches)	WATER CONTENT (inches)	WATER CONTENT (inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b

UPPER SNAKE RIVER BASINCAMAS-BEAVER CREEKS

Camp Creek	12E3	6800	2/26	81	21.4	9.0	7.8
Kilgore	11E12	6200	2/27	65	19.4	10.5	8.3

MEDICINE LODGE CREEK

Irving Creek	12E4	7035	2/27	46	10.2	5.3	4.5*
Webber Creek	12E5	6700	2/28	48	11.5	5.9	4.2*

HENRYS FORK RIVER

Big Springs	11E9	6500	2/26	85	26.0	16.8	17.9
Black Canyon	11E18	7850	3/1	113	40.2	24.8	28.5*
Black Moose	11E19	8125	3/1	128	48.0	28.6	34.0*
Grassy Lake	10E15	7230	2/26	97	32.5	30.2	29.1
Island Park	11E10	6315	2/26	77	23.5	12.9	13.9
Latham Springs	11E16	7650	3/1	107	36.8	24.4	27.8*
Lucky Dog	11E14	6900	2/28	93	30.0	20.2	21.1*
Old Road	11E15	7250	3/1	102	35.8	20.2	24.3*
Poacher's Cabin	11E17	8000	3/1	107	39.6	24.8	29.0*
Sawtelle Mountain	11E32	8715	2/26	140	47.1	27.1	--
Targhee Pass	11E34	7000	2/26	82	25.5	--	--
Valley View	11E8	6500	2/26	83	28.1	16.9	13.3

TETON RIVER

Darby Canyon (A)	10F21	8250	2/27	70	23.9	22.9	--
Freds Mountain	10F22	8000	2/27	69	23.6	--	--
Pine Creek Pass	11F2	6750	2/27	58	17.7	15.0	14.6*
State Line	11F1	6400	2/27	53	15.1	10.1	12.2
Teton Pass	10F13	8500	2/27	136	50.0	32.0	26.9*

WILLOW CREEK

Aspen Grove	11F10	6600	2/27	48	13.5	10.5	--
Birch Creek	11F3	6800	2/27	40	11.7	9.1	--
Bone	11F8	6200	2/26	36	9.9	6.1	--
Ozone	11F4	5800	2/26	4	1.0	0.0	--
Sheep Mountain II	11F11	6510	2/26	59	16.9	10.5	--
Tex Creek	11F5	6700	2/28	40	10.8	8.4	--

SAND CREEK

Henry Creek	11F6	5650	2/25	18	5.4	T	--
Taylor Mountain	11F7	6500	3/2	41	13.0	7.0	--

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SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b

BLACKFOOT RIVER

Austin Bros. Ranch	11G3	6450	2/28	35	9.5	8.8	6.8*
China Hat	11G2	6300	2/28	24	7.2	6.6	5.4
Slug Creek Divide	11G5	7225	2/24	53	16.8	12.3	13.1*
Somsen Ranch	11G1	7000	2/28	57	16.9	12.3	9.9*

PORTNEUF RIVER

Cove	11G25	5525	2/27	22	5.4	4.2	--
Dempsey Creek	12G5	6280	2/26	53	13.1	10.0	9.1*
Lower Pebble	12G6	5800	2/28	57	16.9	8.4	--
Mink Creek	12G1	6300	2/26	59	18.2	10.4	12.7
Moser	11G24	5950	2/27	40	10.9	5.5	--
North Bancroft #1	11G23	5460	2/27	12	2.6	5.6	--
North Bancroft #2	11G22	5430	2/27	12	2.3	4.0	--
Pebble Creek	12G2	6550	2/26	56	17.0	10.6	12.1

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
<u>HENRYS FORK RIVER</u>							
Island Park	6315	48	9.9	2/26	9.2	8.5	8.2
Valley View	6500	48	13.3	2/26	11.0	5.4	4.8
<u>TETON RIVER</u>							
Pine Creek Pass	6750	48	13.3	2/27	14.7	12.0	5.6
State Line	6400	48	14.8	2/27	14.2	14.9	10.3
Teton Pass	8500	48	10.5	2/27	8.1	9.1	8.5
<u>PORTNEUF RIVER</u>							
Lower Dempsey	5210	48	18.7	2/26	19.7	21.0	18.0
Lower Pebble	5800	36	7.6	2/28	8.5	8.4	6.0
Pebble Creek	6550	48	7.2	2/28	6.4	4.4	3.4

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SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
						LAST YEAR	AVERAGE ^b

GREAT BASIN

BEAR RIVER

Emigrant Summit	11G6	7350	2/24	85	26.6	21.9	19.2*
Emigration Canyon	11G7	6500	2/24	44	11.8	10.2	8.6*

Montpelier Creek

Giveout	11G16	6840	2/26	49	13.1	8.2	10.1*
Little Beaver	11G20	6970	2/26	54	16.2	11.5	13.4*
Lower Home Canyon	11G27	7500	2/27	54	15.9	--	--
Montpelier Creek	11G18	6570	2/26	34	9.4	6.8	6.8*
Upper Home Canyon	11G26	8500	2/27	79	25.7	--	--
Whiskey Flat	11G21	6985	2/26	44	12.8	6.8	8.1*

Mink Creek

Christensen Ranch	11G11	5600	2/26	35	9.3	9.6	7.3*
Dry Basin (A)	11G14	7900	3/4	92	31.6	24.9	--
#Emigrant Summit	11G6	7350	2/24	85	26.6	21.9	19.2*
Horseshoe Basin (A)	11G15	8000	3/4	82	28.1	22.6	--
Liberty Spring	11G13	8600	3/3	109	37.4	27.6	--
Strawberry Creek	11G9	5800	2/26	46	11.9	11.1	9.3*
Strawberry Mink Divide	11G10	6800	2/27	74	22.4	16.8	17.2*

Cub River

Cub River R. S.	11G12	5400	2/27	33	8.7	8.2	7.5*
Willow Flat	11G4	6100	2/27	55	15.6	12.2	12.7*

MALAD RIVER

Dry Creek Flat	12G4	6350	2/25	39	10.1	4.8	6.2*
Lower Elkhorn	12G11	6850	2/24	66	20.9	11.0	--
Oxford Mountain	12G3	6800	2/25	49	13.0	8.2	8.0*
Upper Elkhorn	12G10	7100	2/24	83	25.8	12.5	--

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
<u>BEAR RIVER</u>							
Strawberry Creek	5800	48	12.7	2/24	11.8	7.8	7.3

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Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and
Water Resources, British Columbia
Department of Resources and Development,
Water Resources Division

States:

Idaho State Reclamation Engineer
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of
State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers
U. S. Department of Agriculture
Forest Service
Agricultural Research Service
U. S. Department of Commerce
Environmental Sciences Service Administration,
Weather Bureau
U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
Indian Service
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

Amalgamated Sugar Company

*Other organizations and individuals furnish valuable information for
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